

## Single relay - REL-IR/LDP- 60DC/2X21 - 2833958

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Pluggable industrial relay with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, input voltage 60 V DC

The figure shows version: REL-IR/  
LDP- 24DC/2X21

### Product Features



### Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Custom tariff number	85364900
Country of origin	Japan

### Technical data

#### Dimensions

Width	21.5 mm
Height	28 mm
Depth	36 mm

#### Ambient conditions

Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 70 °C

#### Coil side

Nominal input voltage $U_N$	60 V DC
Typical input current at $U_N$	15 mA
Power dissipation for nominal condition	0.9 W
Typical response time	13 ms

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## Technical data

### Coil side

Typical release time	5 ms
Coil resistance	3977 $\Omega$ $\pm$ 15 % (at 20 °C)

### Contact side

Contact type	2 PDT
Contact material	Ag
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V
Maximum inrush current	20 A (15 ms)
Min. switching current	1 mA
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

### General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	5 x 10 <sup>7</sup> cycles
Standards/regulations	EN 61810-1
	EN 50178
	IEC 62103
Pollution degree	2
Surge voltage category	II
Mounting position	any
Assembly instructions	On relay base PR2

### Connection data

Connection method	Plug / solder connection
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## Classifications

### eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601

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## Classifications

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

UL Listed
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cUL Listed
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EAC
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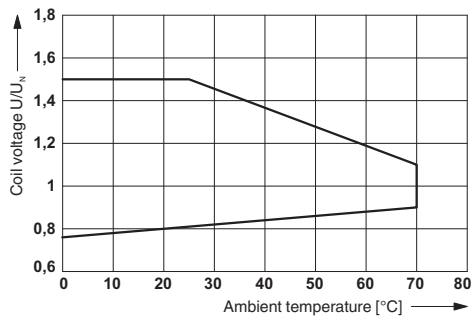
# Single relay - REL-IR/LDP- 60DC/2X21 - 2833958

## Approvals

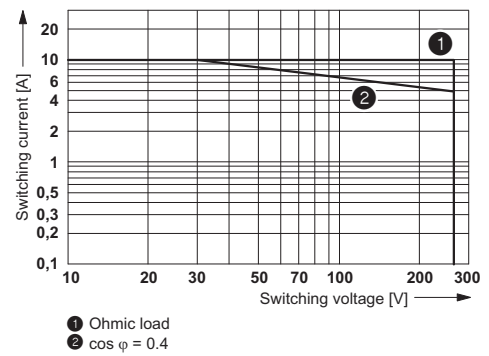


## Drawings

Diagram

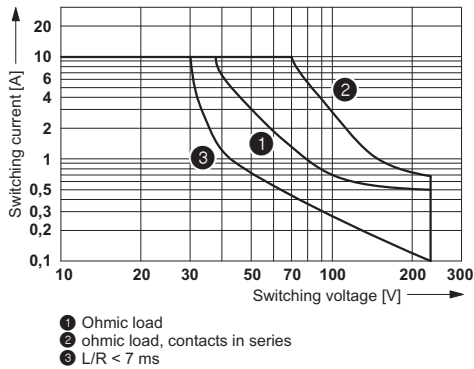


Diagram



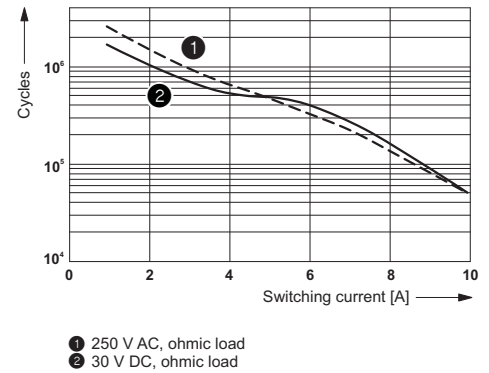
## Operating voltage range

Diagram



## AC interrupting rating

Diagram

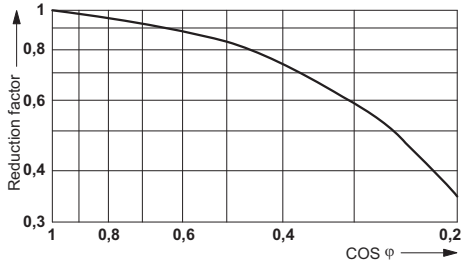


## DC interrupting rating

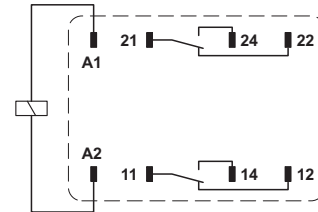
## Electrical service life

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Diagram



Circuit diagram



Shown without LED and damping diode.

Contacts 21, 22, 24 are led onto relay socket connections 41, 42, 44.

Service life reduction factor